

List of Known Issues for Zenmuse P1

Release date	May 10, 2021
M300 RTK aircraft firmware	v02.04.01.02
M300 RTK remote controller firmware	V02.04.01.03
Pilot App version	v2.4.1.7 (M300)
Zenmuse P1 firmware	v02.04.01.02

No.	Issue	Scope of impact and workaround
1	After re-installing the lens, it is unable to focus normally or switch between focus modes, or the camera is unable to capture photographs normally. The app displays the message alert “Unusual issue detected with the lens. Please check if the lens is properly installed”.	This problem is caused by accidentally touching the silver unlock button at the upper right corner of the camera when installing the lens. Please reinstall the lens and avoid touching the silver button at the upper right corner of the camera.
2	When using the 24mm/35mm lens for Smart Oblique Capture at the default dip angle of -45 °, the tripod would be captured in some images.	The tripod would only be captured at the edge of the flight area, which would have minimal impact on reconstruction quality and precision. As a workaround, you may adjust the inclination to -60 °~-50 ° or use a 50mm lens.
3	When using Smart Oblique Capture, excessive wind speed will cause the app to display the message “The gimbal has reached the endpoint”.	This means the inclination might be too small for certain images. However, the impact on reconstruction quality and precision would be minimal. You can therefore ignore this alert.
4	When using a non-standard SD card, the app displays the message “Failed to mount the SD card file system” or some images were not captured.	Make sure you format a non-standard SD card on the app first before using it. Missed shots can happen with low-quality and low-speed cards. You should use a high-speed card whenever possible.

The issue has been fixed in the current version.

No.	Issue	Scope of impact and workaround
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1	After re-installing the lens, it is unable to focus normally or switch between focus modes, or the camera is unable to capture photographs normally. The app displays the message alert “Unusual issue detected with the lens. Please power off and restart the camera (0x1c000303)”.	App prompt issue has been fixed in the current version.
2	When using Smart Oblique Capture, the estimated time and image quantity on the mission upload page in the app are greater than their actual value.	This function has been optimized in the current version.
3	When resuming a Smart Oblique Capture mission from any point, the camera will always capture photos from five angles until the next waypoint.	This issue has been fixed in the current version.

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Release date	March 11, 2021
M300 RTK aircraft firmware	V02.02.02.01
M300 RTK remote controller firmware	V02.02.01.02
Pilot App version	V2.2.1.7
Zenmuse P1 firmware	V02.02.03.02

No.	Issue	Scope of impact and workaround
1	After re-installing the lens, it is unable to focus normally or switch between focus modes, or the camera is unable to capture photographs normally. The app displays the message alert “Unusual issue detected with the lens. Please power off and restart the camera. (0x1c000303)”.	This issue is caused by the user accidentally pressing the silver unlock button at the top-right corner of the camera when installing the lens. An error message will appear in the current version. This issue will be fixed in future versions. Re-install the lens and avoid pressing the silver button on the top-right corner of the camera.
2	When using Smart Oblique Capture, the estimated time and image quantity on the mission upload page in the app are greater than their actual value.	This issue will be fixed in future versions. For current usage, please ensure your SD card has sufficient space. After the flight path is uploaded, the estimated time on the mission execution page becomes more accurate and should serve as a better reference.
3	When using the 24mm/35mm lens for Smart Oblique Capture at the default dip angle of -45 °, the tripod would be captured in some images.	The tripod would only be captured at the edge of the flight area, which would have minimal impact on reconstruction quality and precision. As a workaround, you may adjust the inclination to -60 °~-50 ° or use a 50mm lens.
4	When using Smart Oblique Capture, excessive wind speed will cause the app to display the message “The gimbal has reached the endpoint”.	This means the inclination might be too small for certain images. However, the impact on reconstruction quality and precision would be minimal. You can therefore ignore this alert.

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5	When using a non-standard SD card, the app displays the message “Failed to mount the SD card file system” or some images were not captured.	Make sure you format a non-standard SD card on the app first before using it. Missed shots can happen with low-quality and low-speed cards. You should use a high-speed card whenever possible.
6	When resuming a Smart Oblique Capture mission from any point, the camera will always capture photos from five angles until the next waypoint.	More photos may be taken after the drone resumes its mission. This may slow down the flight but will not affect reconstruction quality and precision. The issue will be fixed in future versions.